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| NEWS 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS 2 | JUN 06 | EPFULL enhanced with 260,000 English abstracts |
| NEWS 3 | JUN 06 | KOREAPAT updated with 41,000 documents |
| NEWS 4 | JUN 13 | USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications |
| NEWS 5 | JUN 19 | CAS REGISTRY includes selected substances from web-based collections |
| NEWS 6 | JUN 25 | CA/CAplus and USPAT databases updated with IPC reclassification data |
| NEWS 7 | JUN 30 | AEROSPACE enhanced with more than 1 million U.S. patent records |
| NEWS 8 | JUN 30 | EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations |
| NEWS 9 | JUN 30 | STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in |
| NEWS 10 | JUN 30 | STN AnaVist enhanced with database content from EPFULL |
| NEWS 11 | JUL 28 | CA/CAplus patent coverage enhanced |
| NEWS 12 | JUL 28 | EPFULL enhanced with additional legal status information from the epoline Register |
| NEWS 13 | JUL 28 | IFICDB, IFIPAT, and IFIUDB reloaded with enhancements |
| NEWS 14 | JUL 28 | STN Viewer performance improved |
| NEWS 15 | AUG 01 | INPADOCDB and INPAFAMDB coverage enhanced |
| NEWS 16 | AUG 13 | CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998 |
| NEWS 17 | AUG 15 | CAOLD to be discontinued on December 31, 2008 |
| NEWS 18 | AUG 15 | CAplus currency for Korean patents enhanced |
| NEWS 19 | AUG 27 | CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information |
| NEWS 20 | SEP 18 | Support for STN Express, Versions 6.01 and earlier, to be discontinued |
| NEWS 21 | SEP 25 | CA/CAplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances |
| NEWS 22 | SEP 26 | WPIDS, WPINDEX, and WPIX coverage of Chinese and and Korean patents enhanced |
| NEWS 23 | SEP 29 | IFICLS enhanced with new super search field |
| NEWS 24 | SEP 29 | EMBASE and EMBAL enhanced with new search and display fields |
| NEWS 25 | SEP 30 | CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents |
| NEWS 26 | OCT 07 | EPFULL enhanced with full implementation of EPC2000 |
| NEWS 27 | OCT 07 | Multiple databases enhanced for more flexible patent |

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                  number searching

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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=> S (DDR2 or discoidin OR CCK-2 OR TYRO 10 OR TKT) (6A) kinase
L1          273 (DDR2 OR DISCOIDIN OR CCK-2 OR TYRO 10 OR TKT) (6A) KINASE

=> S (tyrosine or tyr) (6A) (variant or mutant or mutated or mutation or mutating
or mutagenesis or substitution or substitute or substituted or replace or replaced
or replacing)
L2        24515 (TYROSINE OR TYR) (6A) (VARIANT OR MUTANT OR MUTATED OR MUTATION
                OR MUTATING OR MUTAGENESIS OR SUBSTITUTION OR SUBSTITUTE OR
                SUBSTITUTED OR REPLACE OR REPLACED OR REPLACING)

=> S L1 (P) L2
L3            4 L1 (P) L2

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L4 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
AN 2005617411 MEDLINE
DN PubMed ID: 16186108
TI Tyrosine 740 phosphorylation of discoidin domain receptor 2 by Src stimulates intramolecular autophosphorylation and Shc signaling complex formation.
AU Yang Kyungmi; Kim Jeong Hak; Kim Hae Jong; Park In-Sung; Kim Ick Young; Yang Beom-Seok
CS Biomedical Research Center, Korea Institute of Science and Technology, 39-1, Hawolgok-Dong, Sungbuk-Ku, Seoul 136-791, Korea.
SO The Journal of biological chemistry, (2005 Nov 25) Vol. 280, No. 47, pp. 39058-66. Electronic Publication: 2005-09-26.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200602
ED Entered STN: 22 Nov 2005
Last Updated on STN: 3 Feb 2006
Entered Medline: 3 Feb 2006
AB DDR2 is a receptor tyrosine kinase whose activating ligands are various collagens. DDR2-mediated cellular signaling has been shown to require Src activity. However, the precise mechanism underlying the Src dependence of DDR2 signaling is unknown. Here, using baculoviral co-expression of the DDR2 cytosolic domain and Src, we show that Src targets three tyrosine residues (Tyr-736, Tyr-740, and Tyr-741) in the activation loop of DDR2 for phosphorylation. This phosphorylation by Src stimulates DDR2 cis-autophosphorylation of additional tyrosine residues. In vitro Shc binding assays demonstrate that phosphotyrosines resulting from DDR2 autophosphorylation are involved in Shc binding to the DDR2 cytosolic domain. Mutating tyrosine 740 of DDR2 to phenylalanine stimulates autophosphorylation of DDR2 to an extent similar to that resulting from Src phosphorylation of DDR2. In addition, the DDR2 Y740F mutant protein displays collagen-independent, constitutively activated signaling. These findings suggest that tyrosine 740 inhibits DDR2 autophosphorylation. Collectively, our findings are consistent with the following mechanism for Src-dependent DDR2 activation and signaling: 1) ligand binding promotes phosphorylation of Tyr-740 in the DDR2 activation loop by Src; 2) Tyr-740 phosphorylation stimulates intramolecular autophosphorylation of DDR2; 3) DDR2 autophosphorylation generates cytosolic domain phosphotyrosines that promote the formation of DDR2 cytosolic domain-Shc signaling complexes.